Homeland Security Science and Technology	**INTERNATIONAL FACE PERFORMANCE CONFERENCE** Supporting Performance of Face Recognition	NPL National Physical Laboratory
NIST National Institute of Standards and Technology U.S. Department of Commerce	October 27-29, 2020 **DRAFT PROGRAM**	European Association for Biometrics eab Human Identity in Europe

NIST, NPL and the EAB are happy to announce the agenda for the IFPC 2020 conference on performance of face recognition which is focused on all technical factors affecting the deployment and use of high performance face recognition applications, including applications, standards, advanced and rapid capture, quality assessment, age and ageing effects, demographic effects, datasets, their preparation, training and tuning, presentation attack detection, non-cooperative uses, accuracy measurement, and performance tests. Sponsored by the Department of Homeland Security's Science and Technology Directorate, the conference aims to assemble a set of speakers from across the globe involved in face recognition development, procurement, deployment and operations. The overarching goal is to bring greater maturity to face recognition by improving performance, transparency, and trustworthiness. The organizers welcome proposals for technical or policy presentations focused on any technical factors, problems, and mitigations that influence face recognition operations and applications.	**Organizers:** Patrick Grother, Mei Ngan, NIST, US Christoph Busch, EAB, DE Tony Mansfield, NPL, UK **Speakers:** Research and development staff, system analysts, users, evaluators, planners, writers of technical specifications, standards developers and adopters. **Target audience:** Professionals concerned with face recognition procurement, deployment, maintenance, design, configuration, integration, standardization, research and development.

Main Conference
IFPC 2020 Conference
Virtual via "BlueJeans"
October 27, 28, 29

IFPC Conference Links:	Homepage	Registration	Directions

Face Recognition @ NIST		FRVT 1:1	FRVT 1:N	FRVT MORPH	FRVT Quality Assessment
		Face Forensics	Face masks	Demographics	

		IFPC 2020 - Tuesday Oct 27			IFPC 2020 - Wednesday Oct 28			IFPC 2020 - Thursday Oct 29
	07:20	Welcome		07:00	Welcome		07:00	Welcome
11	07:30	**Arun Vemury**, DHS Science + Technology Directorate (US): Welcome + DHS context	21	07:10	**Lars Ericson**, IARPA (US): Overview of the IARPA efforts on face recognition	31	07:10	
12	07:40	**Istvan Szilard Racz**, EU-LISA: European Entry-Exit System	22	07:40	**Stergios Papadakis**, Johns Hopkins Applied Physics Lab (US): Results from the Odin program on presentation attack detection	32	07:40	**Stacy Oerder + Bill Perry**, Home Affairs (AU): Mobile capture
13	08:10	**Anna Stratmann, Wied Pakusa, Markus Münzel**, BSI (DE): Biometric processes of the Entry Exit System	23	08:10	**Marta Gomez-Barrero,** Hochschule Ansbach (DE): Presentation attack detection and unknown attacks	33	08:10	**Martins Bruveris,** Onfido (UK)**:** Reducing geographic performance differentials for face recognition
14	08:40	**Patrick Grother**, NIST (US): Measurement of face recognition performance for Entry-Exit	24	08:40	**Christian Rathgeb,** Hochschule Darmstadt (DE): Impact of facial beautification on face recognition: From plastic surgery to makeup presentation attacks	34	08:40	**Mosalam Ebrahimi**, Trueface AI (US): A bias mitigation strategy: overcoming the problem of overly confident false matches
	09:10	Break 15 mins		09:10	Break 15 mins		09:10	Break 15 mins
15	09:25	**Arun Ross,** Michigan State University (US): Look-alike disambiguation in face recognition	25	09:25	**Stéphane Gentric**, Idemia (FR): Synthetic faces: Are they new identities and can they be used in evaluation?	35	09:25	**Jacqueline Cavazos**, UT Dallas (US): Accuracy comparison across face recognition algorithms: Where are we on measuring race bias?
16	09:55	**P. Jonathon Phillips,** NIST (US): Item response theory for designing calibrated face ability tests	26	09:55	**Mei Ngan,** NIST (US): Face morphing - threats, technology, what's next	36	09:55	**John Howard & Yevgeniy Sirotin,** SAIC (US)**:** Revisiting the Fitzpatrick Scale and face photo-based estimates of skin phenotypes
17	10:25	**Laura Rabbitt & Yevgeniy Sirotin**, SAIC (US): Human-Algorithm teaming in face recognition	27	10:25	**Christoph Busch**, NTNU/Hochschule Darmstadt (NO/DE): Face morphing attack detection in the iMARS project	37	10:25	**Michael Thieme,** Novetta (US): AI performance assessment standardization in SC 42 – implications for biometrics
18	10:55	**Carina A. Hahn**, NIST (US): The effectiveness of fusion in face recognition	28	10:55	**Kiran Raja**, NTNU/MOBAI (NO): Morphing Attack Detection - obstacles for research to deployment	38	10:55	**Johanna Morley,** Metropolitan Police (UK): Testing of demographic effects in an operational live facial recognition from video system
19	11:25	**Amy N. Yates,** NIST (US): Perceptual face abilities of face examiners for varying tasks	29	11:25	**Chen Liu, Zander Blasingame**, Clarkson U., **David Doermann**, U. at Buffalo, **Jeremy Dawson**, West Virginia U. (US): Center for Identification Technology Research (CITeR) Morph attack detection and mitigation projects	39	11:25	**Brendan Klare**, Rank One Computing (US): Efficiency considerations for face recognition algorithms
1a	11:55	**John Howard & Yevgeniy Sirotin,** SAIC (US): Quantifying race and gender effects in face versus Iris algorithms	2a	11:55	**Pawel Drozdowski** Hochschule Darmstadt (DE): Signal-level fusion for indexing and retrieval of facial biometric data	3a	11:55	**Bhargav Avasarala**, Paravision (US): Challenges and considerations for masked face recognition
1b	12:25	**Mei Ngan**, NIST (US): Evaluation of face recognition accuracy for subjects potentially wearing face masks	2b	12:25	**Patrick Grother**, NIST (US): Now under development: ISO/IEC 24358 face-aware capture specifications ISO/IEC 29794-5 face image quality standard	3b	12:25	**Tony Mansfield**, NPL (UK): The new ISO/IEC 19795-1 biometric performance testing and reporting standard
		12:55 Close			12:55 Close			12:55 Close